

ABSTRACT OF THE DISCLOSURE

A computer mouse device for tracking user input and providing tactile feedback. A housing includes a lower portion designed to move over a flat surface, and a casing portion engaged by a palm of a user's hand. A sensor is provided within the housing for tracking the motion of the housing with respect to the flat surface, where motion data from the sensor is transmitted to a host computer for updating the status of a cursor on a graphical display displaying one or more graphical details. The mouse device receives over signal lines a sensory feedback signal from the host computer when the displayed cursor interacts with a graphical detail in response to the motion data. An actuator is included within and coupled to the housing and generates motion of the casing in a direction substantially orthogonal to the flat surface, delivering a tactile sensation to the user's palm in response to the sensory feedback signal received over the signal lines.